

Ansible Network Configuration

1. Set VirtualBox Network settings for 6 VMs:

pfSense_Reference:

Adapter 1: NAT

Adapter 2: internal Network: CS312LAN

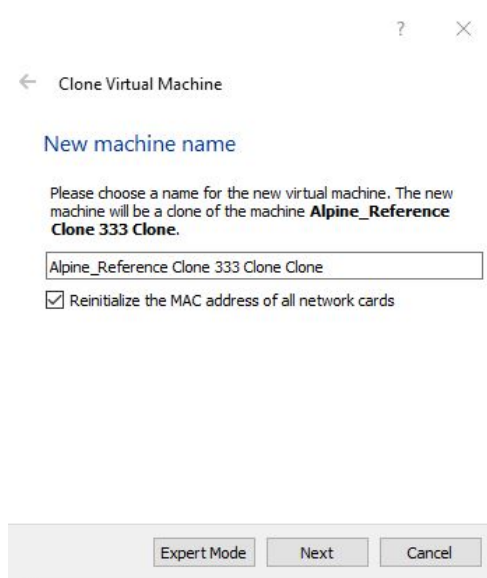
CentOS_CLI_Reference:

Adapter 1: Internal Network: CS312LAN

Alpine_Reference:

Adapter 1: Internal Network: CS312LAN

2. Make three clones of Alpine_Reference with the same network settings, but make sure to check the box to reinitialize the MAC address for each.



Alpine_reference2:

Adapter 1: Internal Network: CS312LAN

Alpine_reference3:

Adapter 1: Internal Network: CS312LAN

Alpine_reference4:

Adapter 1: Internal Network: CS312LAN

3. Start the pfSense_Reference VM
4. Wait until the router VM is running and at the main menu
5. Start the CentOS_CLI_Reference VM (login: u: centosuser, p: password)
6. Start all four of the Alpine_Reference VMs (login: u: root, p: password)

7. If you don't already have zipped files installed on local CentOS VM, install Git inside ~ directory with:

```
$ sudo yum -y install git
```

8. Clone the directory into the home folder with command:

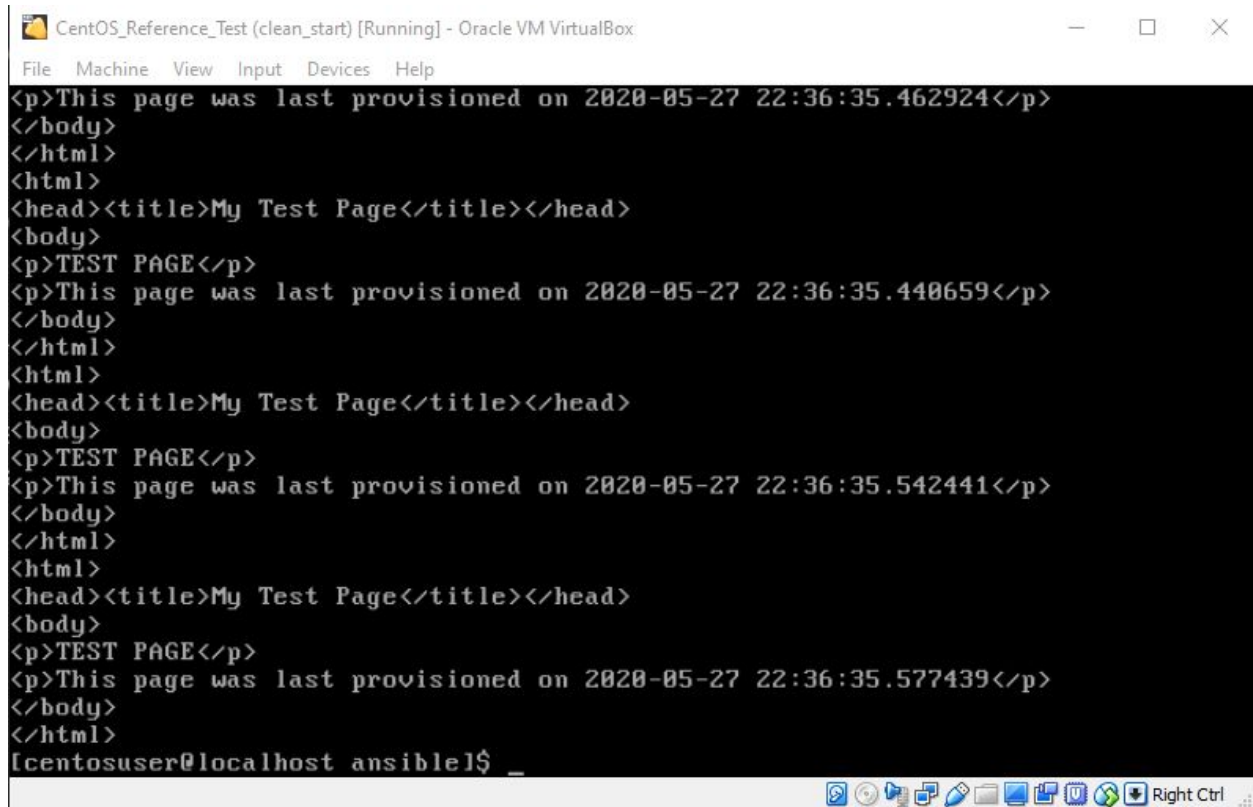
```
$ sudo git clone https://github.com/brownit89/ansible.git
```

9. Switch directories and run the script with these commands:

```
$ cd ansible
```

```
$ sudo ./ansible.sh
```

The install will take a few minutes and will install python and ansible packages before running the playbook which will output the following HTML:



```
CentOS_Reference_Test (clean_start) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
<p>This page was last provisioned on 2020-05-27 22:36:35.462924</p>
</body>
</html>
<html>
<head><title>My Test Page</title></head>
<body>
<p>TEST PAGE</p>
<p>This page was last provisioned on 2020-05-27 22:36:35.440659</p>
</body>
</html>
<html>
<head><title>My Test Page</title></head>
<body>
<p>TEST PAGE</p>
<p>This page was last provisioned on 2020-05-27 22:36:35.542441</p>
</body>
</html>
<html>
<head><title>My Test Page</title></head>
<body>
<p>TEST PAGE</p>
<p>This page was last provisioned on 2020-05-27 22:36:35.577439</p>
</body>
</html>
[centosuser@localhost ansible]$ _
```

This will be the final page if everything is installed correctly. If anything goes wrong, a second run of the script may be needed after clearing the yum cache with command: 'sudo yum clean all'.